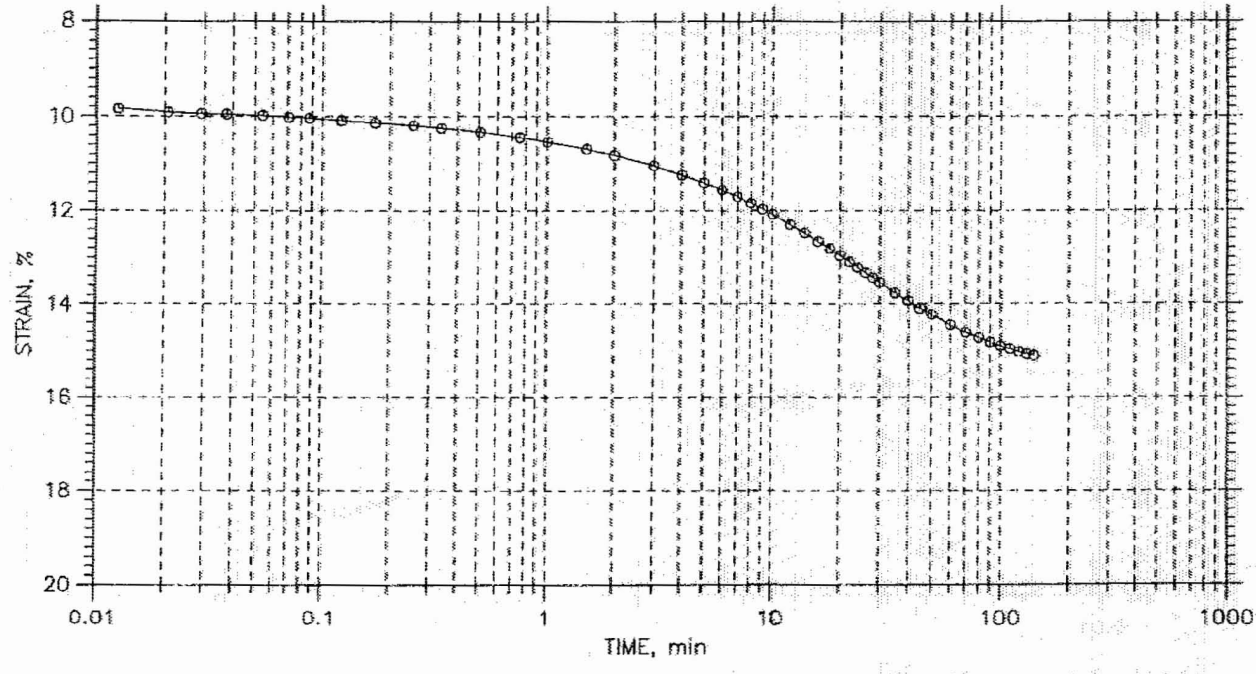
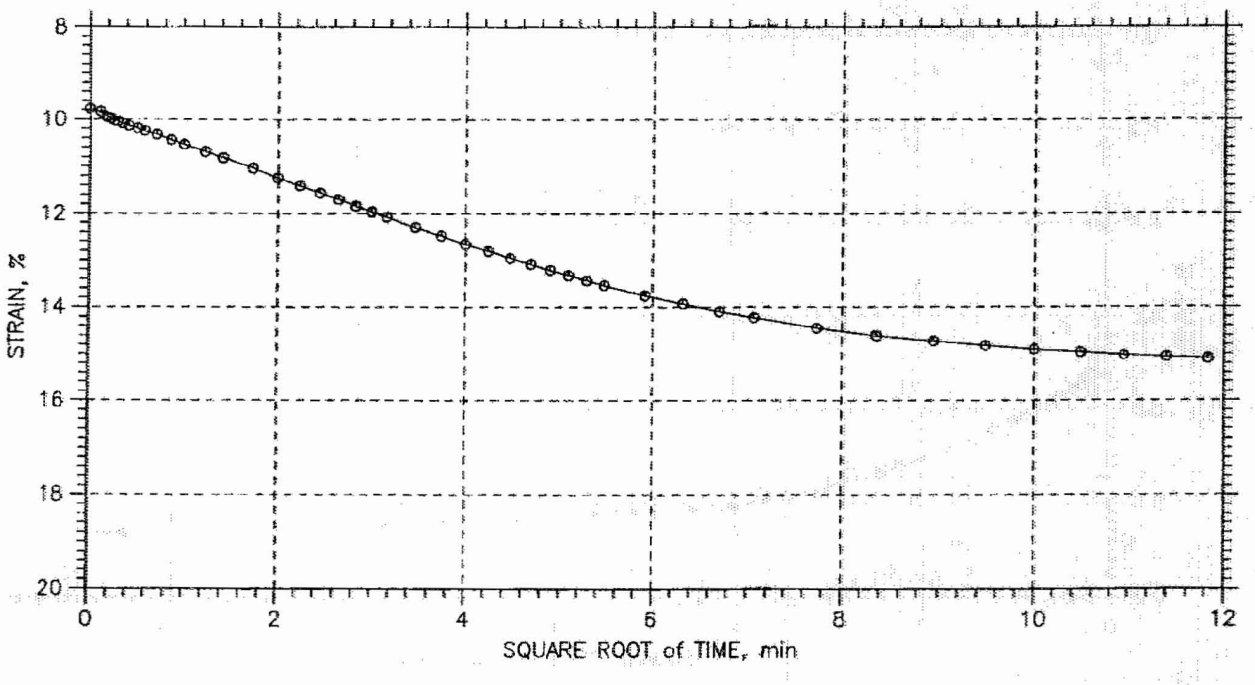
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 14

Stress: 16. tsf

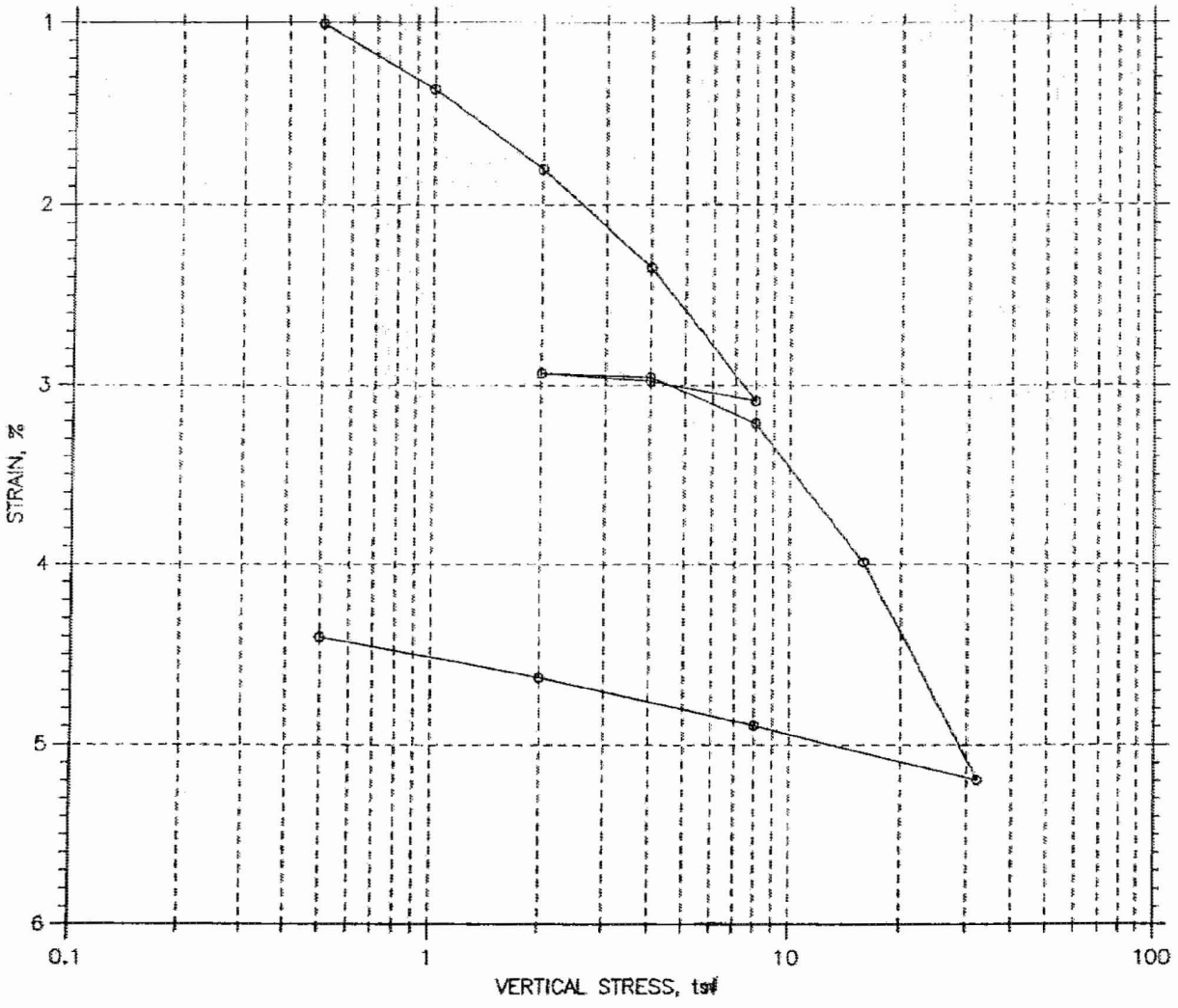




GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-737	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 09/16/06	Depth: 10.5-12.5ft
	Test No.: C-15	Sample Type: tube	Elevation: ---
	Description: Moist, very pale brown clay (CH), 93% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System R - Compression Ratio: 0.20, Recompression Ratio: 0.03		

CONSOLIDATION TEST DATA

SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	29.81	26.37
Preconsolidation Pressure: 8 tsf				Dry Unit Weight, pcf	93.51	97.82
Compression Index: ---				Saturation, %	101.72	100.00
Diameter: 2.5 in		Height: 1 in		Void Ratio	0.78	0.70
LL: 26	PL: 22	PI: 4	GS: 2.67			

GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-738	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 09/16/06	Depth: 35-37
	Test No.: C-16	Sample Type: tube	Elevation: ---
	Description: Moist, dark olive gray silty, clayey sand (SC-SM), 25%passing#200 sieve,inundated@0.5tsf		
	Remarks: System C - Compression Ratio: 0.04, Recompression Ratio: <0.01		

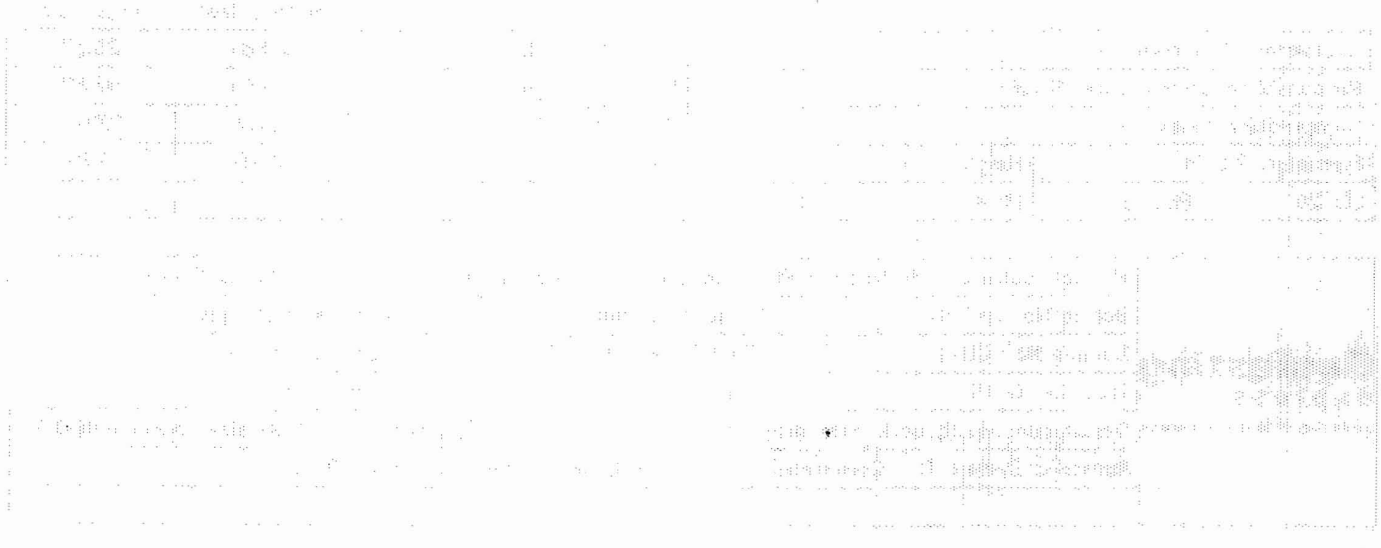
CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
Boring No.: B-738	Tested By: md	Checked By: jdt
Sample No.: UD-1	Test Date: 09/16/06	Depth: 35-37
Test No.: C-16	Sample Type: tube	Elevation: ---

Soil Description: Moist, dark olive gray silty, clayey sand (SC-SM), 25%passing#200 sieve,inundated@0.5tsf
Remarks: System C - Compression Ratio: 0.04, Recompression Ratio: <0.01

Measured Specific Gravity: 2.67	Liquid Limit: 26	Initial Height: 1.00 in
Initial Void Ratio: 0.78	Plastic Limit: 22	Specimen Diameter: 2.50 in
Final Void Ratio: 0.70	Plasticity Index: 4	

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	1834	RING		1459
Wt. Container + Wet Soil, gm	149.21	373.29	369.14	162.62
Wt. Container + Dry Soil, gm	119.77	337.37	337.37	130.43
Wt. Container, gm	8.34	216.88	216.88	8.35
Wt. Dry Soil, gm	111.43	120.49	120.49	122.08
Water Content, %	26.42	29.81	26.37	26.37
Void Ratio	---	0.78	0.70	---
Degree of Saturation, %	---	101.72	100.00	---
Dry Unit Weight, pcf	---	93.51	97.816	---



CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-738
Sample No.: UD-1
Test No.: C-16

Location: Calvert County, MD
Tested By: md
Test Date: 09/16/06
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 35-37
Elevation: ---

Soil Description: Moist, dark olive gray silty, clayey sand (SC-SM), 25%passing#200 sieve,inundated@0.5tsf
Remarks: System C - Compression Ratio: 0.04, Recompression Ratio: <0.01

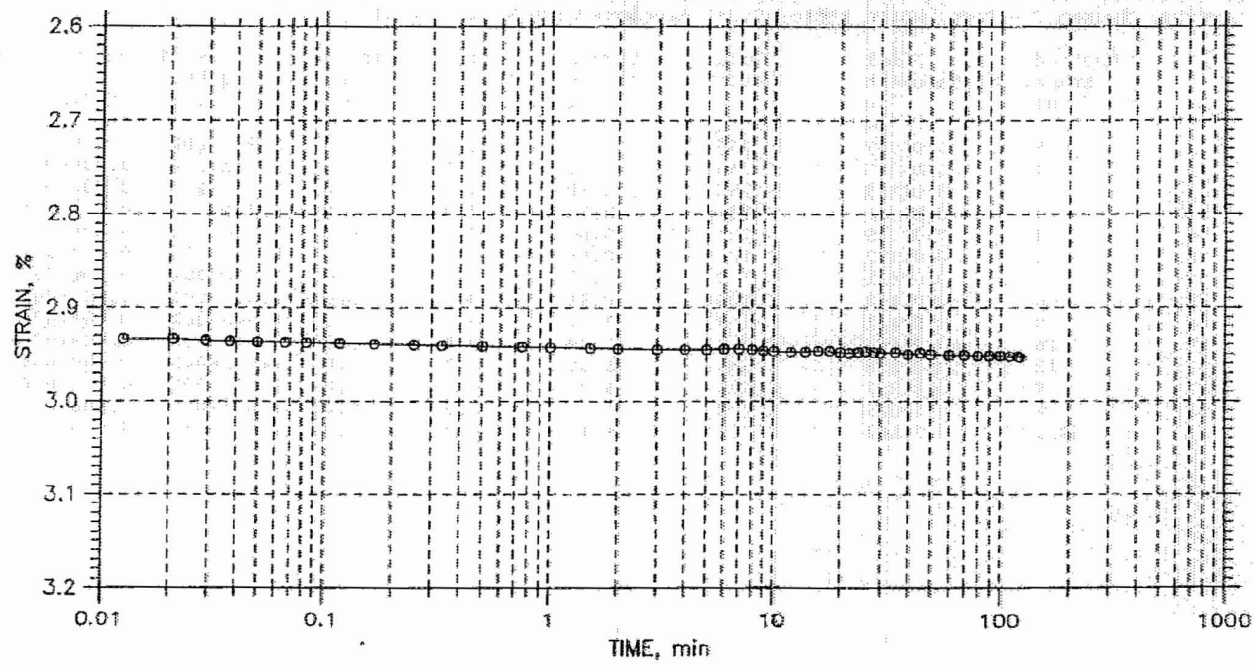
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting Sq.Rt. min	T50 Fitting Log min	Coefficient of Consolidation Sq.Rt. in^2/sec	Coefficient of Consolidation Log in^2/sec	Coefficient of Consolidation Ave. in^2/sec
1	0.5	0.01007	0.765	1.01	0.0	0.0	2.90e-002	0.00e+000	2.90e-002
2	1	0.01367	0.758	1.37	0.0	0.0	5.14e-002	3.70e-002	4.31e-002
3	2	0.01803	0.750	1.80	0.0	0.0	7.25e-002	0.00e+000	7.25e-002
4	4	0.02345	0.741	2.34	0.0	0.0	9.17e-002	0.00e+000	9.17e-002
5	8	0.03088	0.727	3.09	0.0	0.0	1.30e-001	0.00e+000	1.30e-001
6	4	0.02977	0.729	2.98	0.0	0.0	1.37e-001	0.00e+000	1.37e-001
7	2	0.02931	0.730	2.93	0.0	0.0	1.36e-001	0.00e+000	1.36e-001
8	4	0.02953	0.730	2.95	0.0	0.0	1.34e-001	0.00e+000	1.34e-001
9	8	0.03211	0.725	3.21	0.0	0.0	1.34e-001	0.00e+000	1.34e-001
10	16	0.03987	0.711	3.99	0.0	0.0	1.14e-001	0.00e+000	1.14e-001
11	32	0.05195	0.690	5.19	0.0	0.0	1.36e-001	0.00e+000	1.36e-001
12	8	0.04892	0.695	4.89	0.0	0.0	1.17e-001	0.00e+000	1.17e-001
13	2	0.04626	0.700	4.63	0.0	0.0	1.51e-001	0.00e+000	1.51e-001
14	0.5	0.04402	0.704	4.40	0.0	0.0	9.65e-002	0.00e+000	9.65e-002

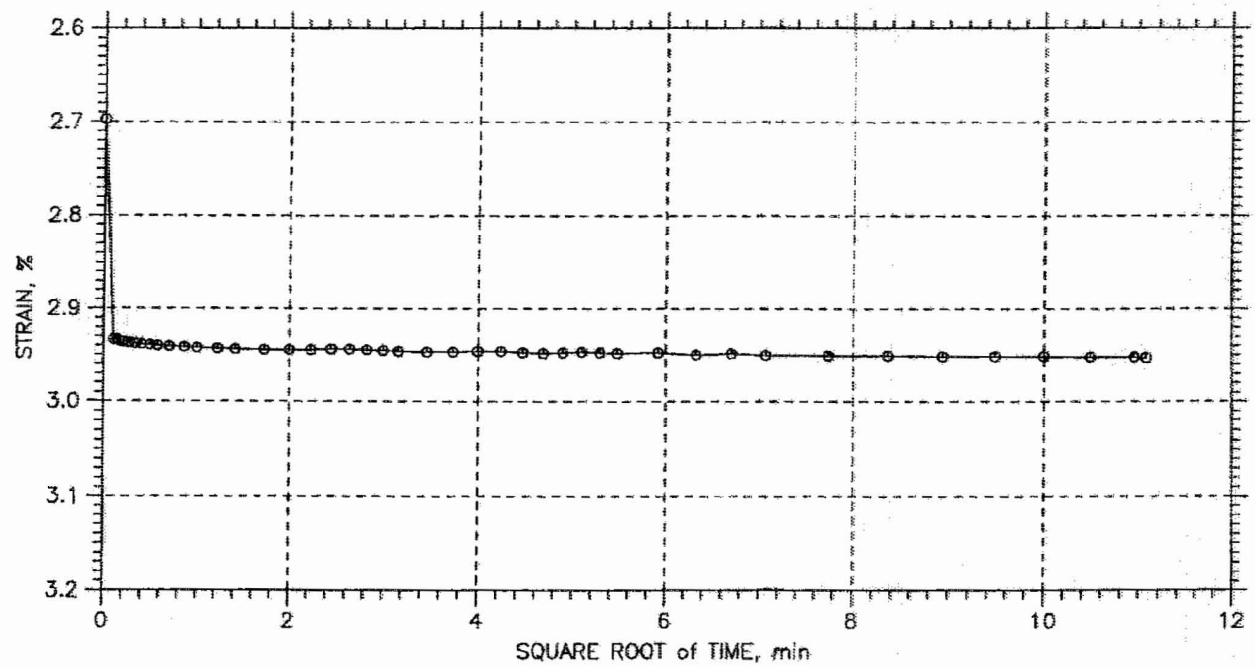
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 8 of 14

Stress: 4. tsf





GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-738	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 09/16/06	Depth: 35-37
	Test No.: C-16	Sample Type: tube	Elevation: ---
	Description: Moist, dark olive gray silty, clayey sand (SC-SM), 25%passing#200 sieve,inundated@0.5tsf		
	Remarks: System C - Compression Ratio: 0.04, Recompression Ratio: <0.01		

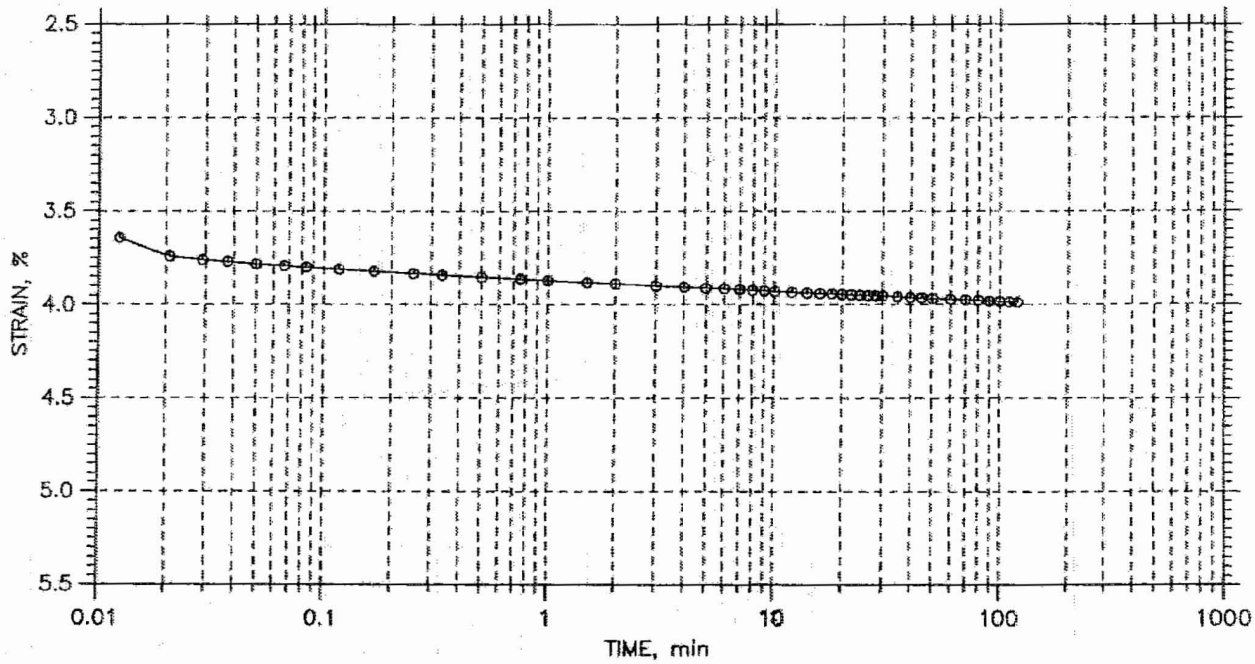
Tue, 14-NOV-2006 19:08:40

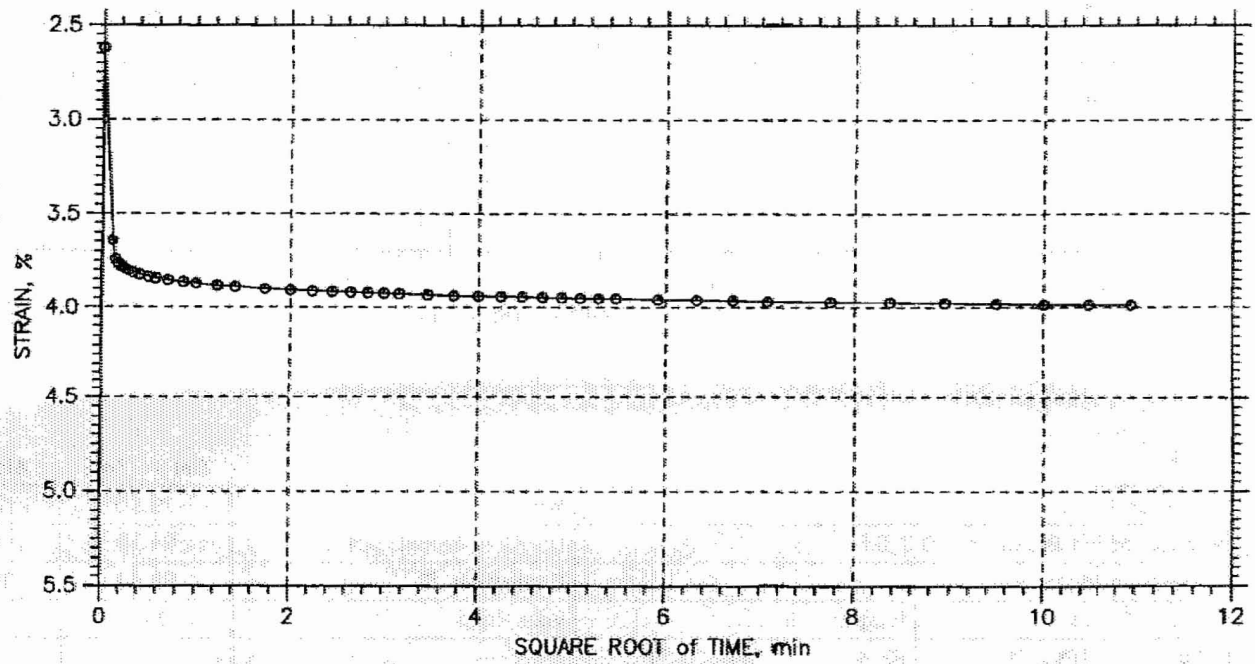
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 14

Stress: 16. tsf

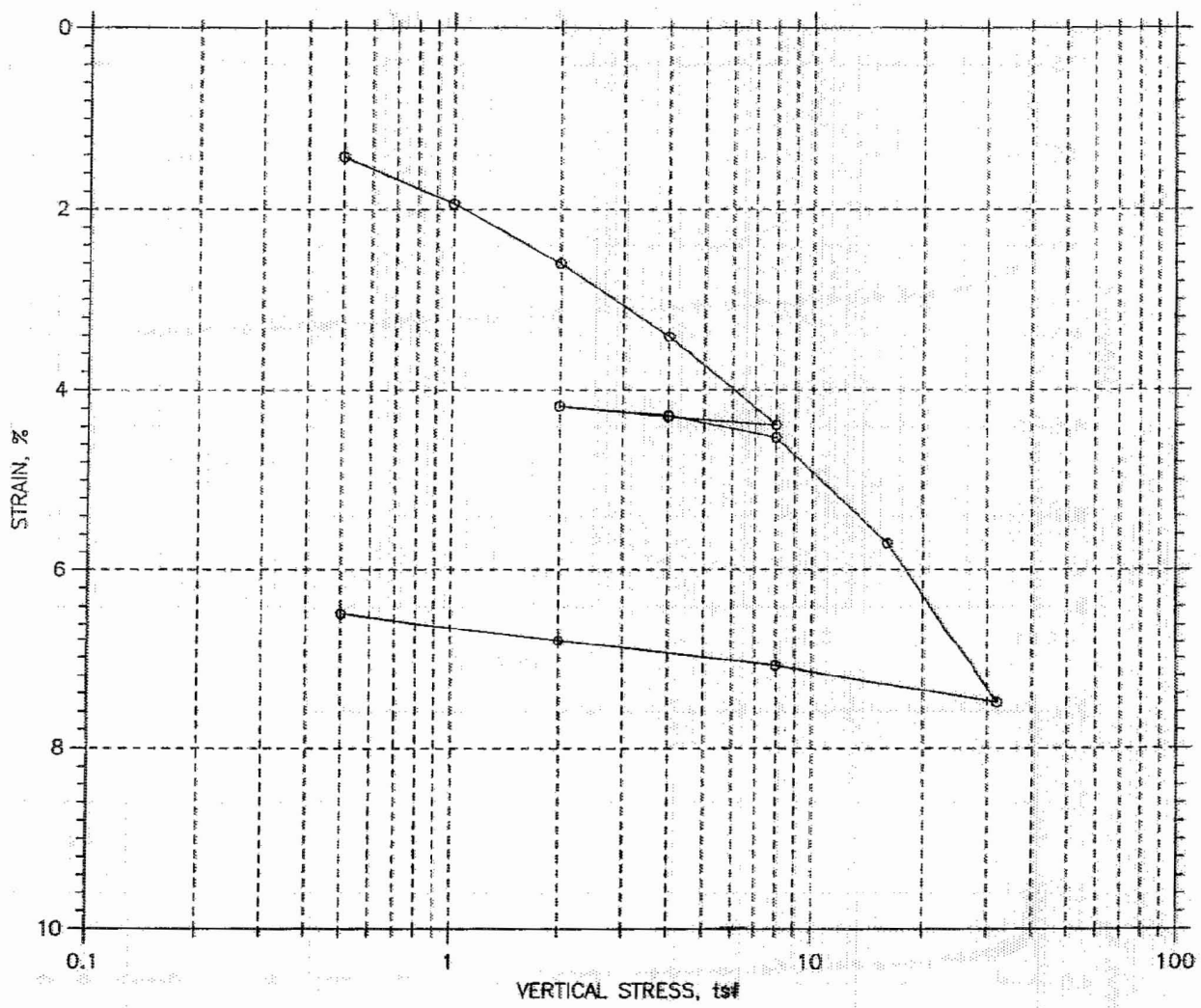




GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-738	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 09/16/06	Depth: 35-37
	Test No.: C-16	Sample Type: tube	Elevation: ---
	Description: Moist, dark olive gray silty, clayey sand (SC-SM), 25%passing#200 sieve,inundated@0.5tsf		
	Remarks: System C - Compression Ratio: 0.04, Recompression Ratio: <0.01		

CONSOLIDATION TEST DATA

SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	29.90	25.78
Preconsolidation Pressure: 10.8 tsf				Dry Unit Weight, pcf	94.15	100.7
Compression Index: ---				Saturation, %	99.43	100.00
Diameter: 2.5 in		Height: 1 in		Void Ratio	0.83	0.71
LL: 25	PL: 21	PI: 4	GS: 2.76			

GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-746	Tested By: md	Checked By: jdt
	Sample No.: S-6	Test Date: 11/04/06	Depth: 13.5-15.5
	Test No.: C-53	Sample Type: tube	Elevation: ---
	Description: Moist,dark olive gray silty,clayey sand (SC-SM),29% passing#200 sieve,inundated@0.5tsf		
	Remarks: System G - Compression Ratio: .06, Recompression Ratio: 0.01		

Wed, 15-NOV-2006 12:45:35

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
Boring No.: B-746	Tested By: md	Checked By: jdt
Sample No.: S-6	Test Date: 11/04/06	Depth: 13.5-15.5
Test No.: C-53	Sample Type: tube	Elevation: ---

Soil Description: Moist,dark olive gray silty,clayey sand (SC-SM),29% passing#200 sieve,inundated@0.5tsf
Remarks: System G - Compression Ratio: .06, Recompression Ratio: 0.01

Measured Specific Gravity: 2.76	Liquid Limit: 25	Initial Height: 1.00 in
Initial Void Ratio: 0.83	Plastic Limit: 21	Specimen Diameter: 2.50 in
Final Void Ratio: 0.71	Plasticity Index: 4	

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	322B	RING		i-shear
Wt. Container + Wet Soil, gm	187.67	374.08	369.08	162.03
Wt. Container + Dry Soil, gm	148.33	337.8	337.8	130.61
Wt. Container, gm	8.27	216.49	216.49	8.74
Wt. Dry Soil, gm	140.06	121.31	121.31	121.87
Water Content, %	28.09	29.90	25.78	25.78
Void Ratio	---	0.83	0.71	---
Degree of Saturation, %	---	99.43	100.00	---
Dry Unit Weight, pcf	---	94.149	100.67	---

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP | Location: Calvert County, MD | Project No.: GTX-6880
Boring No.: B-746 | Tested By: md | Checked By: jdt
Sample No.: S-6 | Test Date: 11/04/06 | Depth: 13.5-15.5
Test No.: C-53 | Sample Type: tube | Elevation: ---

Soil Description: Moist,dark olive gray silty,clayey sand (SC-SM),22% passing#200 sieve,inundated@0.5tsf
Remarks: System G - Compression Ratio: .06, Recompression Ratio: 0.01

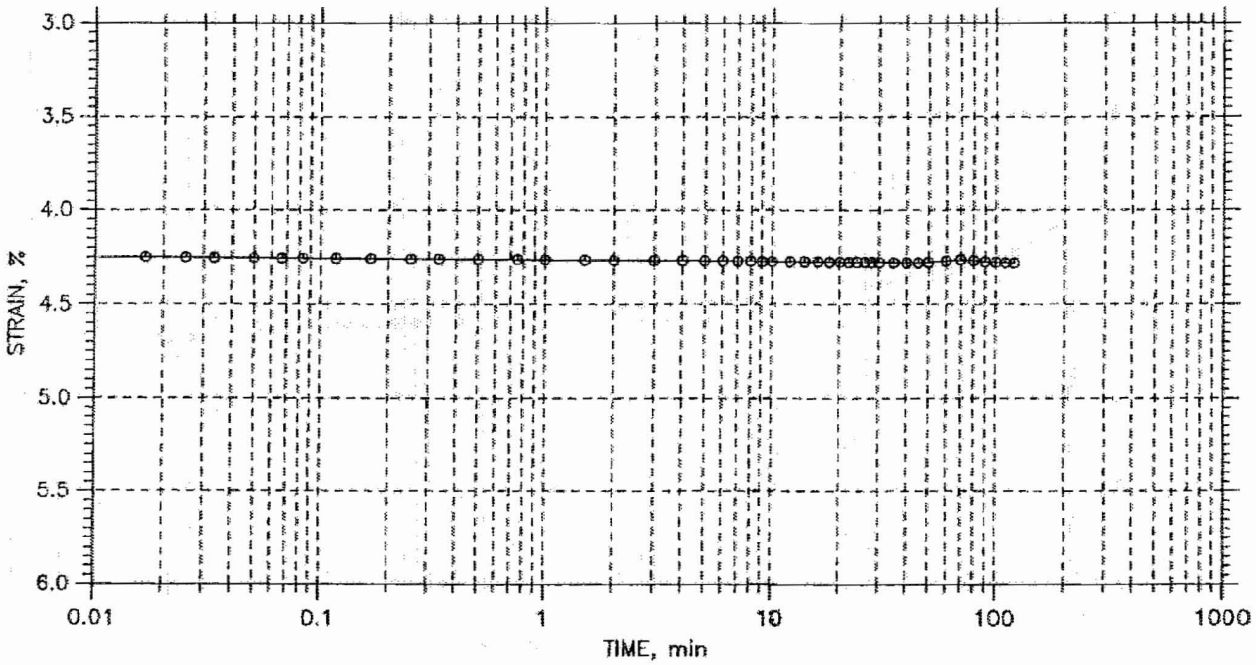
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting Sq.Rt. min	T50 Fitting Log min	Coefficient of Consolidation Sq.Rt. in^2/sec	Coefficient of Consolidation Log in^2/sec	Coefficient of Consolidation Ave. in^2/sec
1	0.5	0.01418	0.804	1.42	0.0	0.0	2.80e-002	0.00e+000	2.80e-002
2	1	0.01938	0.795	1.94	0.0	0.0	2.44e-002	3.02e-002	2.70e-002
3	2	0.02598	0.783	2.60	0.0	0.0	5.13e-002	4.11e-002	4.57e-002
4	4	0.03407	0.768	3.41	0.0	0.0	6.66e-002	5.68e-002	6.13e-002
5	8	0.04386	0.750	4.39	0.0	0.0	6.86e-002	0.00e+000	6.86e-002
6	4	0.04298	0.751	4.30	0.0	0.0	1.50e-001	0.00e+000	1.50e-001
7	2	0.04179	0.754	4.18	0.0	0.0	1.18e-001	0.00e+000	1.18e-001
8	4	0.04279	0.752	4.28	0.0	0.0	1.75e-001	0.00e+000	1.75e-001
9	8	0.04526	0.747	4.53	0.0	0.0	1.32e-001	0.00e+000	1.32e-001
10	16	0.05702	0.726	5.70	0.0	0.0	8.37e-002	0.00e+000	8.37e-002
11	32	0.07495	0.693	7.49	0.0	0.0	6.90e-002	0.00e+000	6.90e-002
12	8	0.07088	0.700	7.09	0.0	0.0	1.20e-001	0.00e+000	1.20e-001
13	2	0.06804	0.706	6.80	0.0	0.0	1.43e-001	0.00e+000	1.43e-001
14	0.5	0.06474	0.712	6.47	0.0	0.0	5.47e-002	0.00e+000	5.47e-002

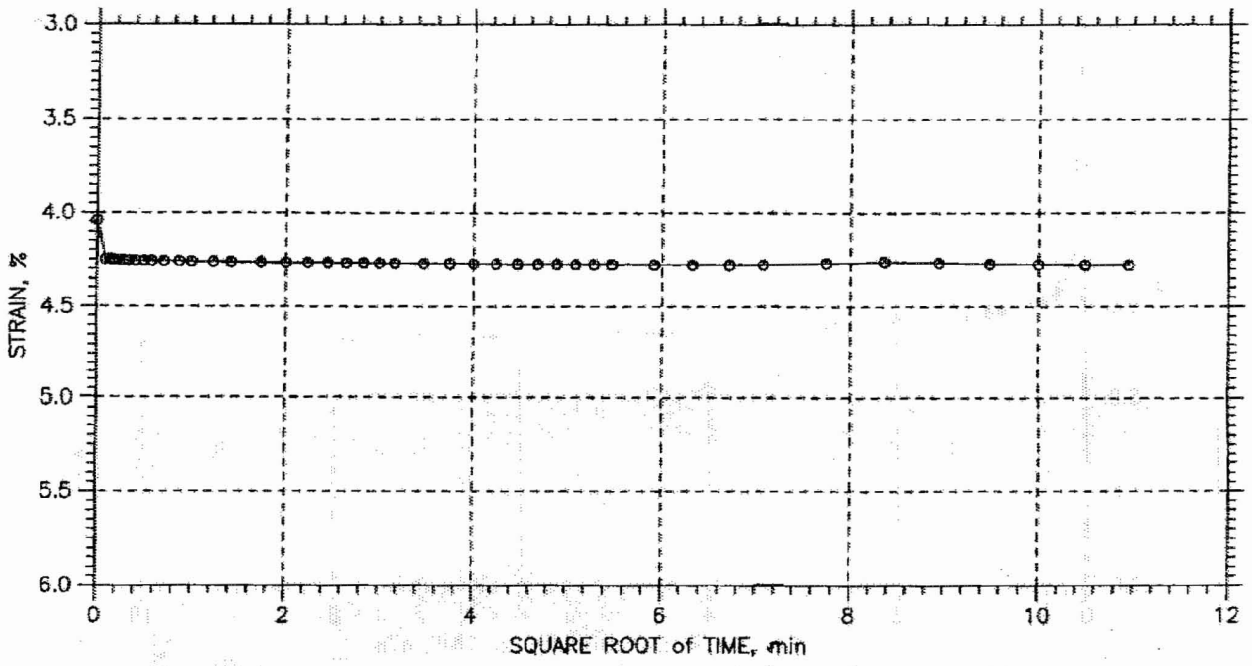
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 8 of 14

Stress: 4. tsf





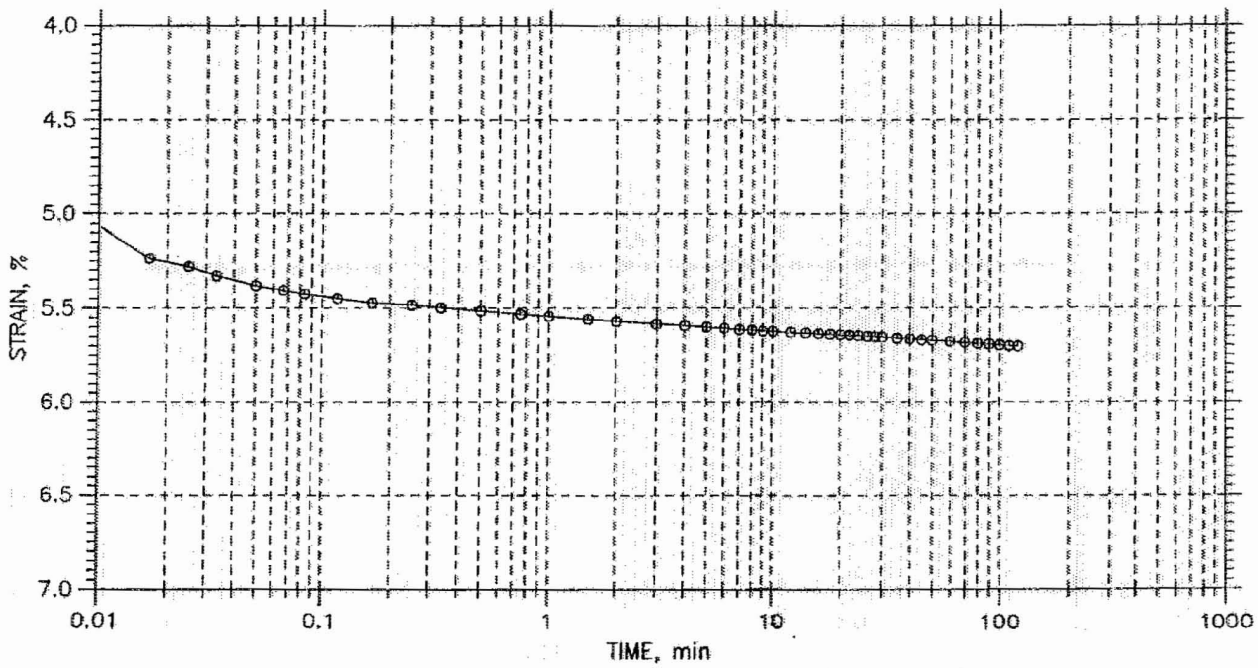
GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-746	Tested By: md	Checked By: jdt
	Sample No.: S-6	Test Date: 11/04/06	Depth: 13.5-15.5
	Test No.: C-53	Sample Type: tube	Elevation: ---
	Description: Moist,dark olive gray silty,clayey sand (SC-SM),29% passing#200 sieve,inundated@0.5tsf		
	Remarks: System G - Compression Ratio: .06, Recompression Ratio: 0.01		

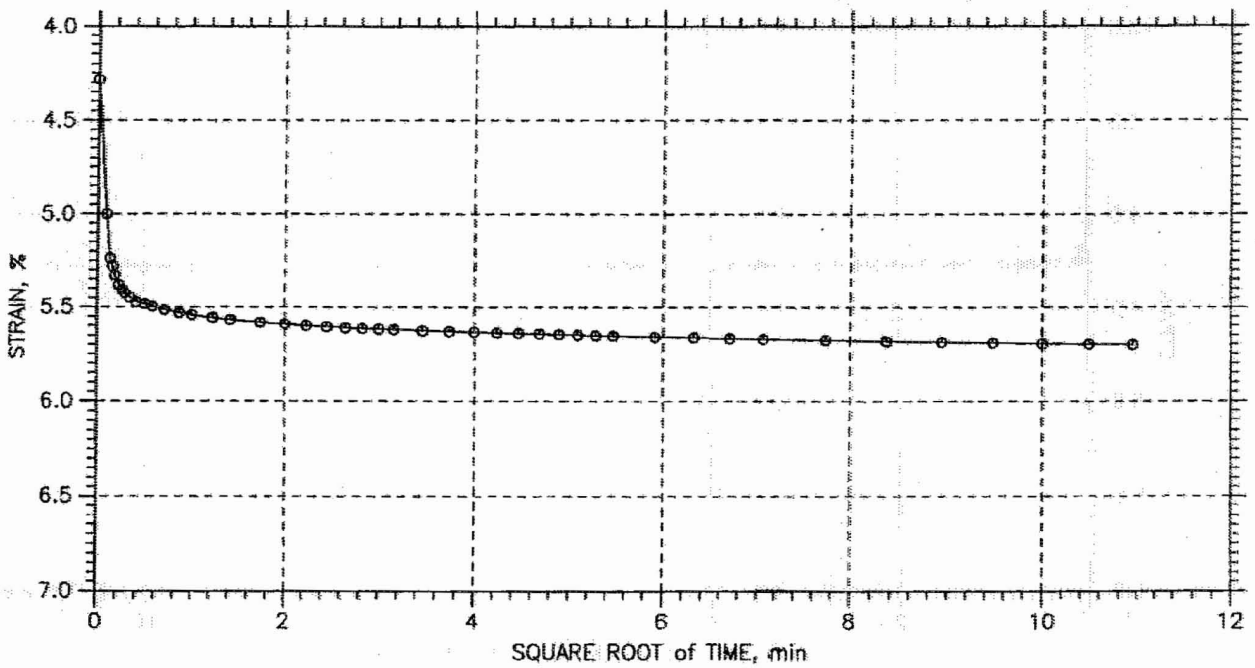
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 14

Stress: 16. tsf

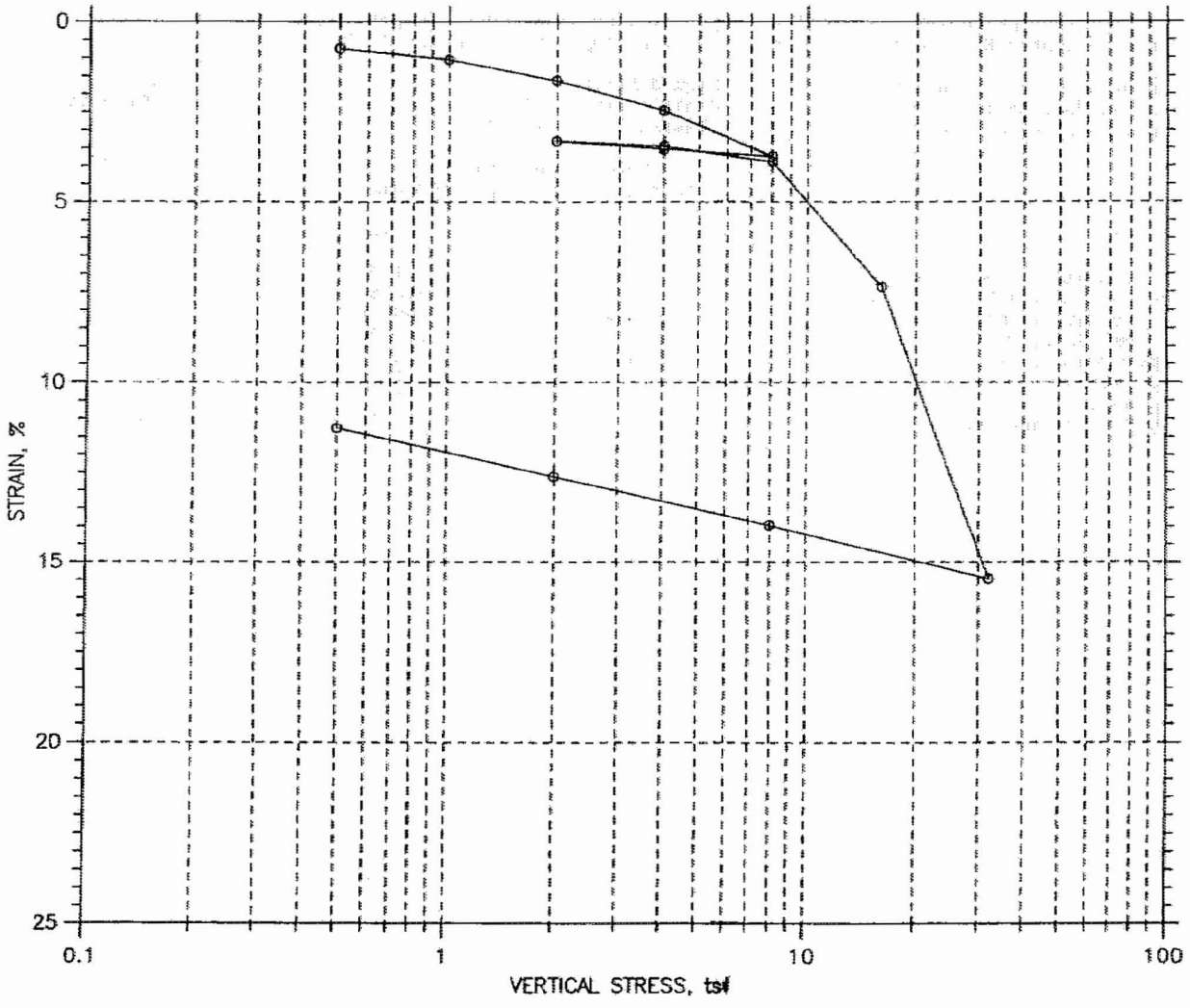




GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-746	Tested By: md	Checked By: jdt
	Sample No.: S-6	Test Date: 11/04/06	Depth: 13.5-15.5
	Test No.: C-53	Sample Type: tube	Elevation: ---
	Description: Moist,dark olive gray silty,clayey sand (SC-SM),29% passing#200 sieve,inundated@0.5tsf		
	Remarks: System C - Compression Ratio: .06, Recompression Ratio: 0.01		

CONSOLIDATION TEST DATA

SUMMARY REPORT



				Before Test	After Test
Overburden Pressure: ---				Water Content, %	36.26	31.22
Preconsolidation Pressure: 11.3 tsf				Dry Unit Weight, pcf	81.65	92.01
Compression Index: ---				Saturation, %	91.05	99.99
Diameter: 2.5 in		Height: 1 in		Void Ratio	1.09	0.85
LL: 53	PL: 16	PI: 37	GS: 2.73			

GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-747	Tested By: md	Checked By: jdt
	Sample No.: S-15 UD-1	Test Date: 09/16/06	Depth: ~~25.8-60.0~~ 58.0-60.0
	Test No.: C-18	Sample Type: tube	Elevation: ---
	Description: Moist, dark olive gray clay with sand (CH), 74% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System K - Compression Ratio: 0.26, Recompressioin Ratio: 0.02		

PP 11/16/06

Tue, 14-NOV-2006 19:13:54

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
Boring No.: B-747	Tested By: md	Checked By: jdt
Sample No.: S-15 UD-1	Test Date: 09/16/06	Depth: 25.8-60.0
Test No.: C-18	Sample Type: tube	Elevation: ---

Soil Description: Moist, dark olive gray clay with sand (CH), 74% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System K - Compression Ratio: 0.26, Recompressioin Ratio: 0.02

Measured Specific Gravity: 2.73	Liquid Limit: 53	Initial Height: 1.00 in
Initial Void Ratio: 1.09	Plastic Limit: 16	Specimen Diameter: 2.50 in
Final Void Ratio: 0.85	Plasticity Index: 37	

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	1395	RING		1311
Wt. Container + Wet Soil, gm	132.49	351.02	345.71	146.05
Wt. Container + Dry Soil, gm	100.24	312.87	312.87	113.3
Wt. Container, gm	8.46	207.66	207.66	8.39
Wt. Dry Soil, gm	91.78	105.21	105.21	104.91
Water Content, %	35.14	36.26	31.22	31.22
Void Ratio	---	1.09	0.85	---
Degree of Saturation, %	---	91.05	99.99	---
Dry Unit Weight, pcf	---	81.65	92.008	---

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-747
Sample No.: S-15 UD-1
Test No.: C-18

Location: Calvert County, MD
Tested By: md
Test Date: 09/16/06
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 25.8-60.0
Elevation: ---

Soil Description: Moist, dark olive gray clay with sand (CH), 74% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System K - Compression Ratio: 0.26, Recompressioin Ratio: 0.02

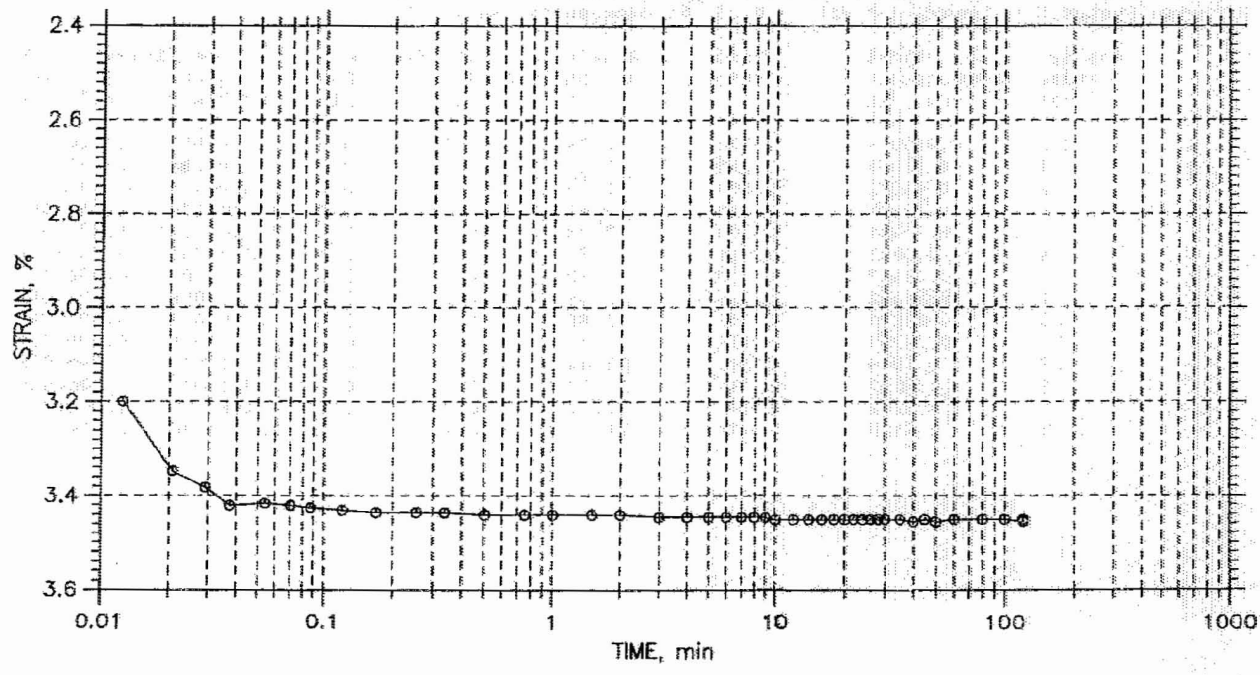
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting Sq.Rt. min	T50 Fitting Log min	Coefficient of Consolidation Sq.Rt. ft^2/sec	Coefficient of Consolidation Log ft^2/sec	Coefficient of Consolidation Ave. ft^2/sec
1	0.5	0.007364	1.072	0.74	0.1	0.0	9.35e-005	0.00e+000	9.35e-005
2	1	0.01062	1.065	1.06	0.0	0.0	1.33e-004	1.57e-004	1.44e-004
3	2	0.01631	1.053	1.63	0.0	0.0	1.35e-004	1.53e-004	1.43e-004
4	4	0.02467	1.036	2.47	0.0	0.0	1.85e-004	1.76e-004	1.80e-004
5	8	0.03728	1.009	3.73	0.0	0.0	1.12e-004	1.79e-004	1.38e-004
6	4	0.0353	1.014	3.53	0.0	0.0	3.27e-004	0.00e+000	3.27e-004
7	2	0.03317	1.018	3.32	0.0	0.0	2.76e-004	0.00e+000	2.76e-004
8	4	0.03451	1.015	3.45	0.0	0.0	3.25e-004	0.00e+000	3.25e-004
9	8	0.03876	1.006	3.88	0.0	0.0	3.09e-004	0.00e+000	3.09e-004
10	16	0.07357	0.934	7.36	0.4	0.0	1.45e-005	0.00e+000	1.45e-005
11	32	0.1546	0.765	15.46	0.4	0.2	1.10e-005	2.05e-005	1.43e-005
12	8	0.1397	0.796	13.97	0.0	0.0	1.92e-004	0.00e+000	1.92e-004
13	2	0.1262	0.824	12.62	0.2	0.0	2.13e-005	0.00e+000	2.13e-005
14	0.5	0.1126	0.852	11.26	2.7	2.5	1.63e-006	1.74e-006	1.68e-006

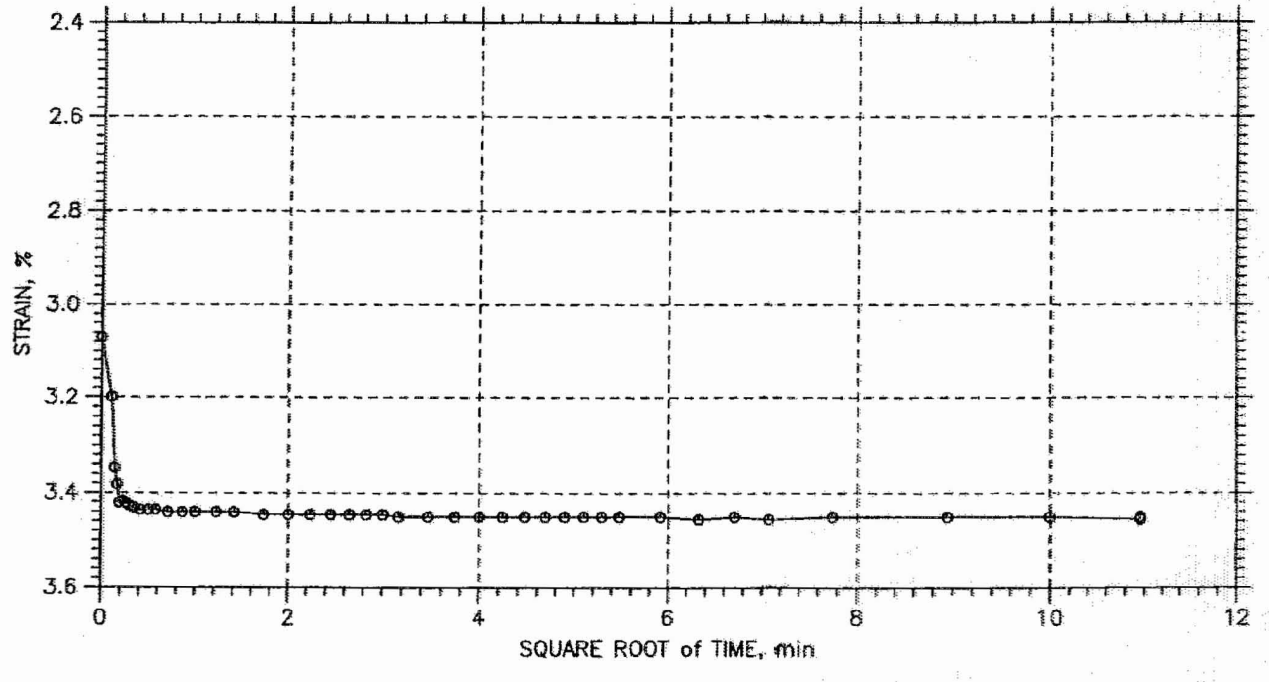
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 8 of 14

Stress: 4. tsf





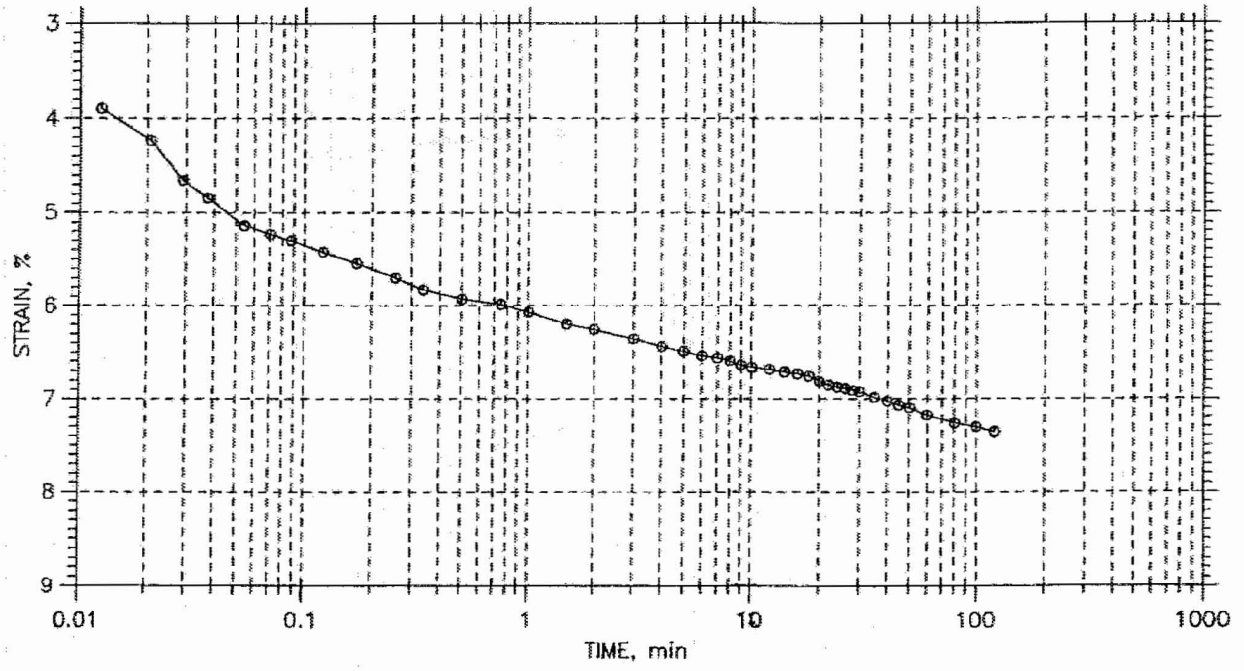
GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-747	Tested By: md	Checked By: jdt
	Sample No.: S-15 UD-1	Test Date: 09/16/06	Depth: 25.8-60.0
	Test No.: C-18	Sample Type: tube	Elevation: ---
	Description: Moist, dark olive gray clay with sand (CH), 74% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System K - Compression Ratio: 0.26, Recompressioin Ratio: 0.02		

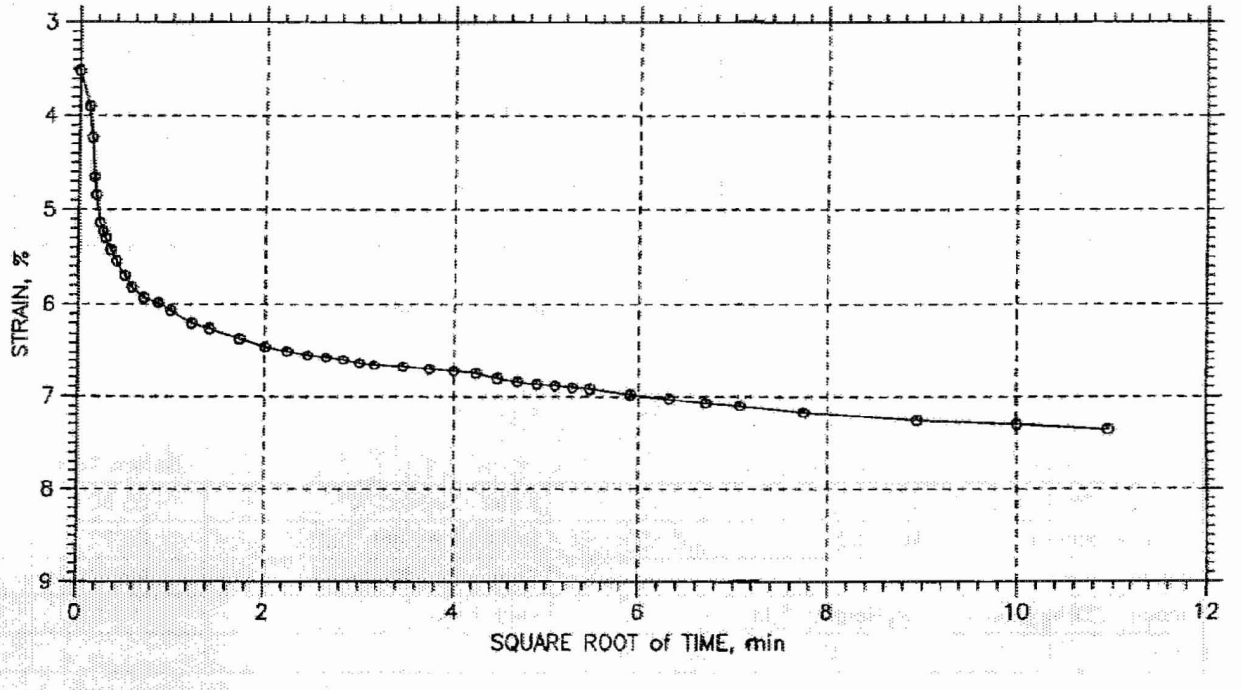
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 14

Stress: 16. tsf





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	Boring No.: B-747	Tested By: md	Checked By: jdt
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	Test No.: C-18	Sample Type: tube	Elevation: ---
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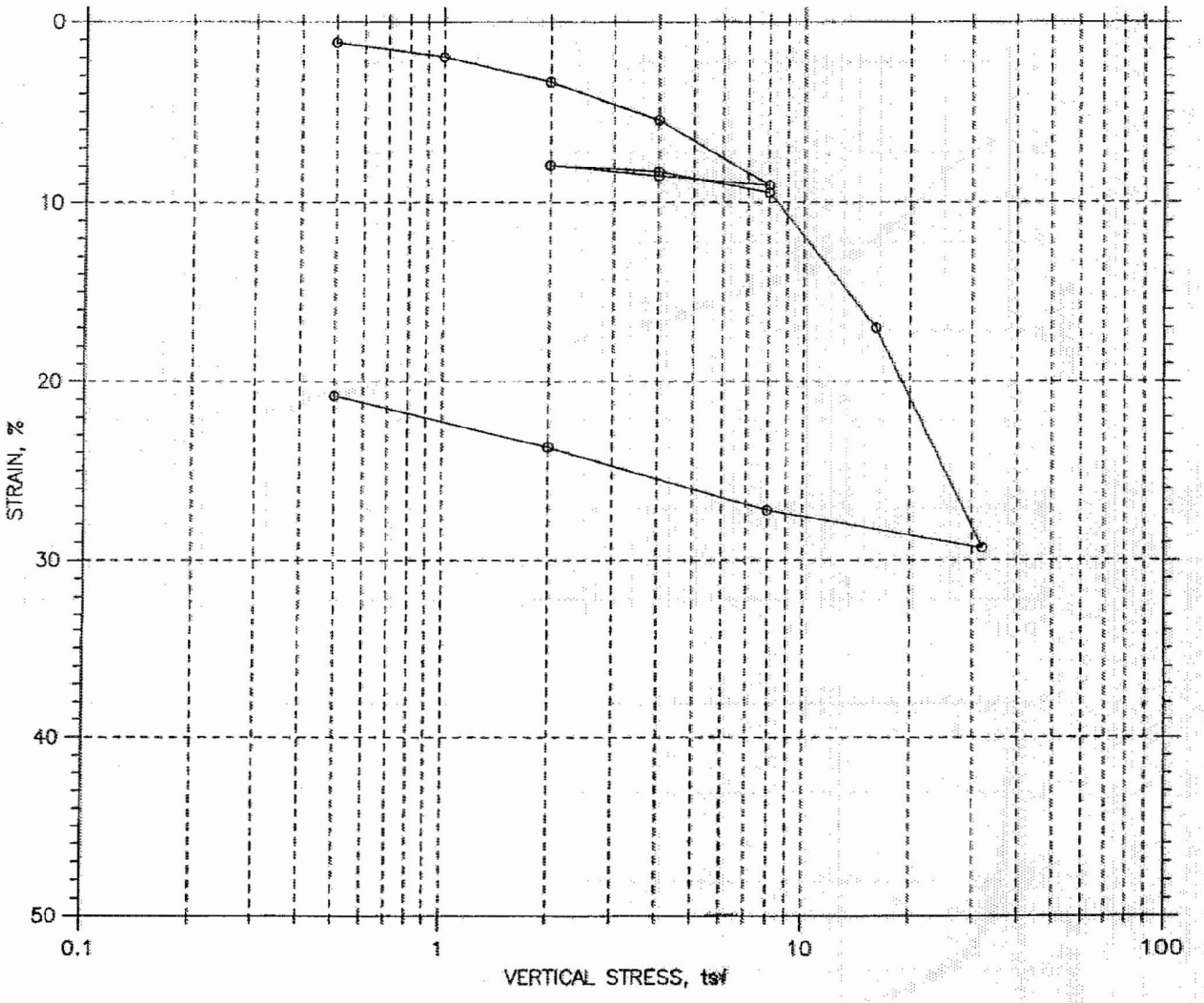
CONSOLIDATION TEST DATA

SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	55.60	41.62
Preconsolidation Pressure: 10.3 tsf				Dry Unit Weight, pcf	63.82	80.59
Compression Index: ---				Saturation, %	89.72	99.99
Diameter: 2.5 in		Height: 1 in		Void Ratio	1.73	1.16
LL: 65	PL: 17	PI: 48	GS: 2.79			

GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-752	Tested By: md	Checked By: jdt
	Sample No.: S-15	Test Date: 09/18/06	Depth: ~~28-60 ft~~ 58-60 FT RP 11/16
	Test No.: C-20	Sample Type: tube	Elevation: ---
	Description: Moist, dark greenish gray organic clay (OH), 98%passing #200 sieve, inundated @0.5 tsf		
	Remarks: System G - Compression Ratio: 0.40, Recompression Ratio: 0.05		

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CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
Boring No.: B-752	Tested By: md	Checked By: jdt
Sample No.: S-15	Test Date: 09/18/06	Depth: 28-60 ft
Test No.: C-20	Sample Type: tube	Elevation: ---

Soil Description: Moist, dark greenish gray organic clay (OH), 98%passing #200 sieve, inundated @0.5 tsf
Remarks: System G - Compression Ratio: 0.40, Recompression Ratio: 0.05

Measured Specific Gravity: 2.79	Liquid Limit: 65	Initial Height: 1.00 in
Initial Void Ratio: 1.73	Plastic Limit: 17	Specimen Diameter: 2.50 in
Final Void Ratio: 1.16	Plasticity Index: 48	

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	13	RING		1534
Wt. Container + Wet Soil, gm	113.58	344.65	332.95	126.87
Wt. Container + Dry Soil, gm	79.31	298.72	298.72	91.96
Wt. Container, gm	8.24	216.49	216.49	8.08
Wt. Dry Soil, gm	71.07	82.235	82.235	83.88
Water Content, %	48.22	55.60	41.62	41.62
Void Ratio	---	1.73	1.16	---
Degree of Saturation, %	---	89.72	99.99	---
Dry Unit Weight, pcf	---	63.821	80.59	---

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-752
Sample No.: S-15
Test No.: C-20

Location: Calvert County, MD
Tested By: md
Test Date: 09/18/06
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 28-60 ft
Elevation: ---

Soil Description: Moist, dark greenish gray organic clay (OH), 98%passing #200 sieve, inundated @0.5 tsf
Remarks: System G - Compression Ratio: 0.40, Recompression Ratio: 0.05

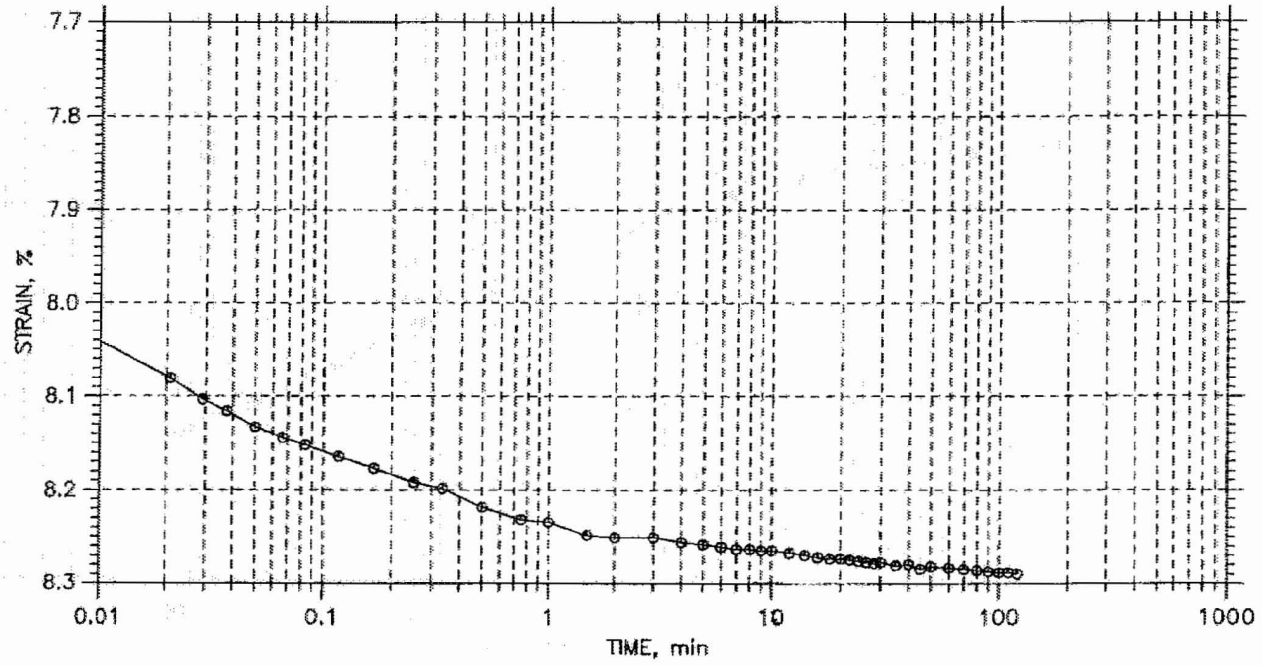
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting Sq.Rt. min	T50 Fitting Log min	Coefficient of Consolidation Sq.Rt. in^2/sec	Coefficient of Consolidation Log in^2/sec	Coefficient of Consolidation Ave. in^2/sec
1	0.5	0.01133	1.698	1.13	0.0	0.0	3.58e-002	0.00e+000	3.58e-002
2	1	0.01957	1.676	1.96	0.0	0.0	3.28e-002	3.11e-002	3.20e-002
3	2	0.03336	1.638	3.34	0.0	0.0	3.43e-002	3.50e-002	3.47e-002
4	4	0.05444	1.581	5.44	0.0	0.0	1.95e-002	3.88e-002	2.59e-002
5	8	0.09037	1.482	9.04	0.2	0.0	4.63e-003	2.53e-002	7.83e-003
6	4	0.08536	1.496	8.54	0.0	0.0	2.85e-002	5.74e-001	5.43e-002
7	2	0.0794	1.512	7.94	0.2	0.0	4.45e-003	0.00e+000	4.45e-003
8	4	0.0829	1.503	8.29	0.0	0.0	2.85e-002	7.41e-002	4.12e-002
9	8	0.09435	1.472	9.44	0.2	0.0	4.49e-003	3.80e-002	8.03e-003
10	16	0.17	1.265	17.00	2.1	1.8	2.88e-004	3.41e-004	3.12e-004
11	32	0.2932	0.929	29.32	11.8	14.7	4.11e-005	3.30e-005	3.66e-005
12	8	0.2721	0.987	27.21	3.2	0.0	1.32e-004	0.00e+000	1.32e-004
13	2	0.237	1.082	23.70	23.3	25.9	1.96e-005	1.76e-005	1.86e-005
14	0.5	0.2081	1.161	20.81	53.2	0.0	9.34e-006	0.00e+000	9.34e-006

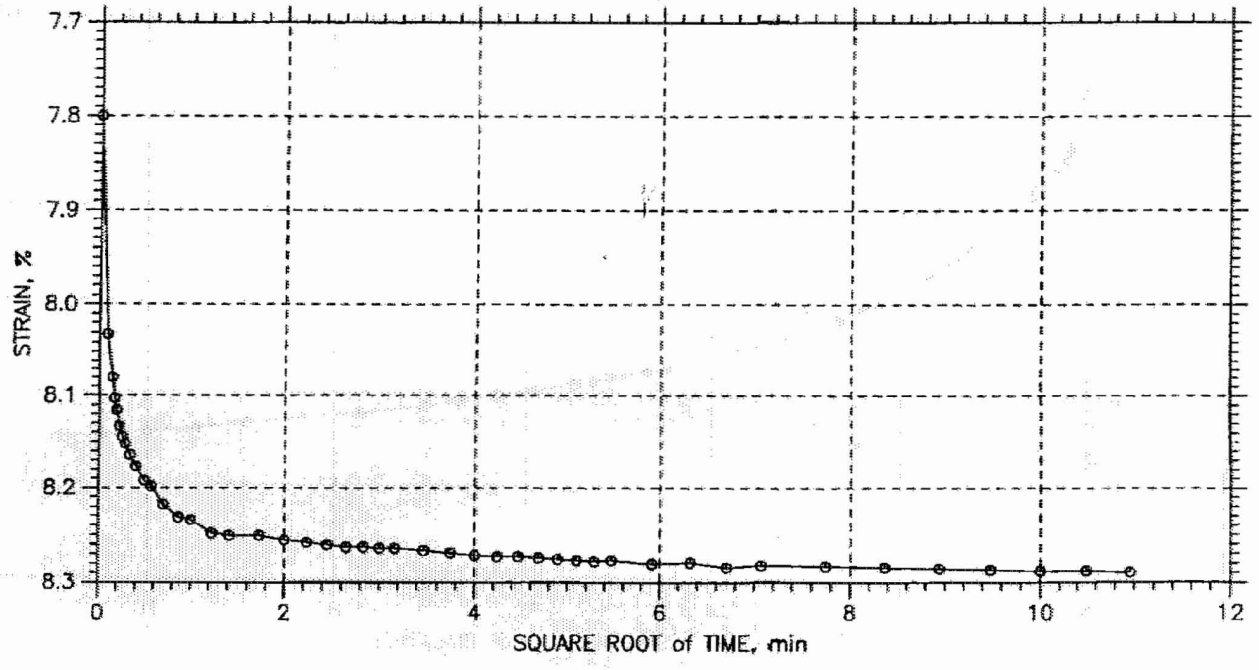
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 8 of 14

Stress: 4. tsf





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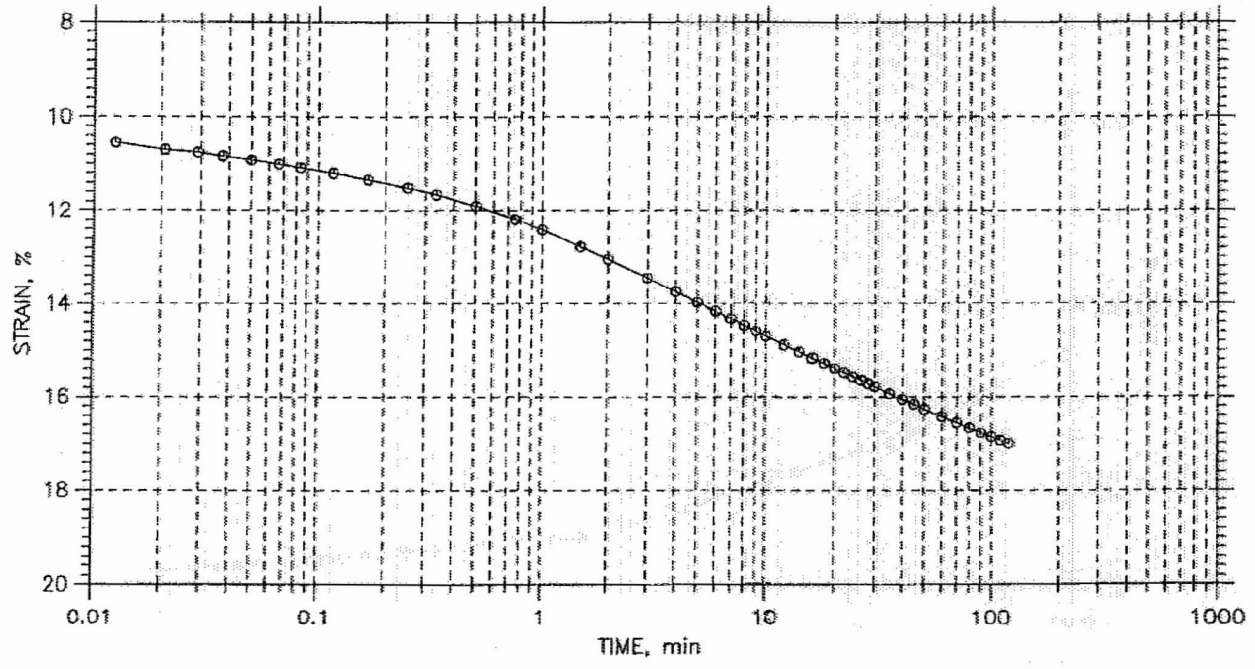
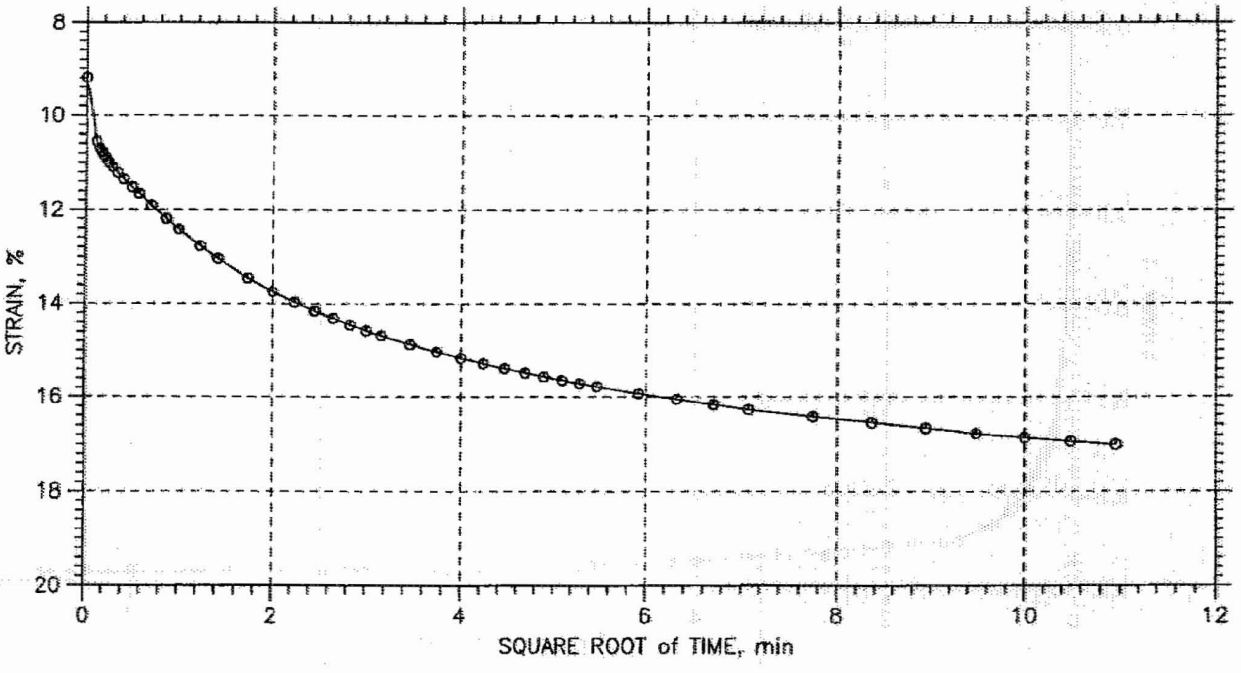
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 14

Stress: 16. tsf





GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
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Schnabel Engineering

06120048 Calvert Cliffs Nuclear Power Plant

3/22/07

Coefficient of Consolidation, C_v (square root of time method)

Boring	Depth (ft)	Applied Pressure (tsf)	Prior Pressure (tsf)	Average Pressure (tsf)	H_o (in)	H_{D50} (in)	t_{90} (min)	C_v (ft^2/yr)
B-301	158.5	8	4	6	0.7499	0.3665	0.2	2448
		16	8	12		0.3628	0.7	591
		32	16	24		0.3540	0.2	1764
B-301	168.5	4	2	3	0.7611	0.3705	0.1	3037
		16	8	12		0.3658	0.6	754
		32	16	24		0.3481	3.4	110
B-304	98.5	4	2	3	0.7522	0.3675	0.1	2988
		32	16	24		0.3495	0.1	2703
B-304	138.5	4	2	3	0.7468	0.3647	0.1	2943
		16	8	12		0.3621	0.1	5076
B-313	93.5	4	2	3	0.7496	**	**	**
		32	16	24		0.3511	0.2	2010
B-313	123.5	4	2	3	0.7506	**	**	**
		32	16	24		0.3558	0.3	1265
B-316	43.5	4	2	3	0.7490	0.3616	1.2	338
		16	8	12		0.3505	11.7	33
B-321	23.5	4	2	3	0.7500	0.3691	0.8	563
		32	16	24		0.3479	41.2	9
B-321	73.5	4	2	3	0.7315	**	**	**
		16	8	12		0.3514	0.2	2013
B-327	113.5	4	2	3	0.7538	**	**	**
		32	16	24		0.3489	0.1	2693
B-333	28.5	4	2	3	0.7497	0.3558	2.0	196
		16	8	12		0.3455	22.0	17
B-333	38.5	4	2	3	0.7504	0.3678	1.5	279
		16	16	16		0.3504	11.1	34
B-401	243.5	4	2	3	0.7512	**	**	**
		32	16	24		0.3571	0.8	476
B-434	53.5	4	2	3	0.7505	0.3702	2.1	202
		16	8	12		0.3638	15.3	27
B-434	63.5	4	2	3	0.7514	**	**	**
		16	8	12		0.3614	0.2	2023

** Specimen deformation during loading increment either zero or at the instrument's readability; time curve not interpretable.